



Figure 2: k estimation with the DRM (blue) and the Tmax (red). Error bars show the standard deviations of the calculated k with 1000 Monte Carlo samplings of the Gaussian errors, the black line shows the prescribed k at various moisture contents ((a): $mc = 0.5 \text{ g g}^{-1}$; (b): 1.0 g g^{-1} ; (c): 1.5 g g^{-1}) (k vs. mc relation follows the empirical function of Vandeghechuchte and Steppe (2012b)).